

SEQUENCE LISTING

<110> REGENTS OF THE UNIVERSITY OF MINNESOTA

<120> HOMOLOGOUS RECOMBINATION IN MULTIPOTENT ADULT PROGENITOR CELLS

<130> 890003-2003.WO

<140> PCT/US03/38811

<141> 2003-11-25

<150> 60/429,631

<151> 2002-11-27

<150> PCT/US02/04652

<151> 2002-02-14

<150> PCT/US00/21387

<151> 2000-08-04

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<170> PatentIn Ver. 3.2

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<213> Homo sapiens

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 Tyr Glu Ala Leu Lys Glu Met Asp Ser Asn Thr Val Ile Glu Arg Phe
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 Pro Thr Ile Gly Gln Leu Leu Ala Lys Ala Cys Trp Asn Pro Phe Ile
 65 70 75 80
 Leu Ala Tyr Asp Glu Ser Gln Lys Ile Leu Ile Trp Cys Leu Cys Cys
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 Leu Ile Asn Lys Glu Pro Gln Asn Ser Gly Gln Ser Lys Leu Asn Ser
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 Trp Ile Gln Gly Val Leu Ser His Ile Leu Ser Ala Leu Arg Phe Asp
 115 120 125
 Lys Glu Val Ala Leu Phe Thr Gln Gly Leu Gly Tyr Ala Pro Ile Asp
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 Tyr Tyr Pro Gly Leu Leu Lys Asn Met Val Leu Ser Leu Ala Ser Glu
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 Pro Glu Arg Val Ala Ser Leu Ser Arg Val Cys Val Pro Leu Ile Thr
 180 185 190
 Leu Thr Asp Val Asp Pro Leu Val Glu Ala Leu Ile Cys His Gly
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 Arg Glu Pro Gln Glu Ile Leu Gln Pro Glu Phe Phe Glu Ala Val Asn
 210 215 220

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Cys Leu Trp Leu Arg His Leu Pro Ser Leu Glu Lys Ala Met Leu His
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Glu Cys Phe Ile Lys Asp Ser Ser Leu Pro Gln Ala Ala Cys His Pro
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Thr Asp Gly Ala Leu Glu Ile Ile Ala Thr Ile Gln Val Phe Thr Gln
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Cys Phe Val Glu Ala Leu Glu Lys Ala Ser Lys Gln Leu Arg Phe Ala
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Glu Pro Pro Thr Ala Leu Leu Trp Leu Leu Ala Phe Tyr Tyr Gly Pro
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Arg Asp Gly Arg Gln Arg Ala Gln Thr Met Val Gln Val Lys Ala Val
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Leu Gly His Leu Leu Ala Met Ser Arg Ser Ser Ser Leu Ser Ala Gln
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Pro Ala Gln Gln Leu Ile Arg His Leu Leu Leu Asn Phe Leu Leu Trp
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Ala Pro Gly Gly His Thr Ile Ala Trp Asp Val Ile Thr Leu Met Ala
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His Thr Ala Glu Ile Thr His Glu Ile Ile Gly Phe Leu Asp Gln Thr
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